

6. The diffusion cell as defined in Claim 3 wherein:
said quick release clamping apparatus comprising a U-
shaped clamp assembly which has an open cavity, said main housing
to be located within said open cavity with one plate being mounted
5 on said main housing and the remaining said plate being mounted
against said cap, said one plate and said remaining plate being
spring biased toward each other when installed on said main
housing applying a continuous bias tending to keep said donor
housing in tight connection with said main housing, /.

10 7. A diffusion cell comprising:

a main housing having a receptor chamber, said receptor
chamber having an open top and a closed bottom, said receptor
chamber adapted to contain a receptor liquid in sufficient
quantity to connect with said open top, a receptor liquid
refilling port connecting with said receptor chamber directly
adjacent said closed bottom, a sampling port connecting with said
receptor chamber intermediate said open top and closed bottom but
nearer said open top;

20 a thin membrane mounted on said housing extending across
said open top effectively closing such;

a donor housing having a donor chamber connecting with
said membrane, a media to be supplied to said donor chamber and in
contact with said membrane; and

25 said sampling port including a capillary tube, the
function of said capillary tube to minimize the residual volume of